

Product datasheet for MR229520

Psat1 (NM_001205339) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psat1 (NM_001205339) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psat1
Synonyms:	D8Erttd814e; EPIP; PSA; Psat
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229520 representing NM_001205339 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTCTCGTGGCCGGGAGCCCATGGACCAGCTGTCCAAGCTGCTATCTGGTATTGTTGGAGATCCAGA
AGCAGCTACTAGACTACAGAGGACTCGGCATCAGTGTGCTCGAAATGAGTCACAGGTCATCAGATTTTGC
CAAGATTATTGGCAATACAGAGAATCTTGTGAGGGAATTGCTAGCTGTTCCCAACAACACTACAAGGTGATC
TTTGTACAAGGAGGTGGTCTGGCCAGTTCAGTGTGTCCTTAAATCTGATTGGCCTGAAAGCTGGAA
GGAGTGTGACTACGTGGTGACCGGAGCTTGGTCAGCTAAGGCTGCGGAAGAAGCCAAGAAGTTTGGAAAC
GGTGAACATTGTCCACCCTAACTTGAAGTTACACAAAAATCCAGACCAAGCACCTGGAACCTCAAC
CCGGACGCCTCTATGTATACTTCTGTGCAAAACGAGACTGTGCACGGGTGGAGTTTACTTCGTACCTG
ACGTCAAGGGAGCGGTGCTGGTCTGTGACATGCCTCAAATCTTATCCAGGCCGGTGGATGTTTCCAA
GTTTGGTGTGATTTTCGCTGGTCTCAGAAGAATGTTGGCTCTGCCGGGTGACGGTGGTATTGTCGG
GATGACCTGCTGGGTTCTCGCTCAGAGAGTCCCATCAGTCTTGACTACAAAGTGACAGCTGGGAACA
ACTTTTGTATAACACACCTCCGTGCTCAGCATCTACGTCATGGGCATGGTCTGGAATGGATCAAGAA
CAACGGCGGGCCGACGATGGAGAAGCTCAGCTCCATCAAATCCAAATGATTTATGAGATCATTGAT
AATTCTCAAGGATTTTATGTATGCCAGTGAGCGCCAGAATAGAAGCAGGATGAACATCCCATTTTCGCA
TTGGCAACGCCAAAGGAGACGAAGCTTTGGAAAAGCGTTTCTTGACAAGCGGTAGAACTCAACATGAT
CTCCTTGAAGGGGCACAGGTGAGTGGGAGGCATTCGTGCCTCTCTGTATAACGCTGTCACAACCGAAGAC
GTTGAGAAGCTGGCGCCTTCATGAAGAATTTCTTGGAGATGCATCAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR229520 representing NM_001205339
 Red=Cloning site Green=Tags(s)

MPLVAGSPWTSCPSCYLVLLEIQQLLDYRGLGISVLEMHRSSDFAKIIGNTENLVRELLAVPNNYKVI
 FVQGGSGQFSAVPLNLIGLKAGRSADYVVTGAWSAKAAEEAKKFGTVNIVHPKLGSYTKIPDPSTWNLN
 PDASYVYFCANETVHGVEFDFVPDVKGAVLVCDMSSNFLSRPVDVSKFGVIFAGAQNKVSAGVTVVIVR
 DDLLGFSLRECPVLDYKVGAGNSLYNTPPCFSIYVMGMVLEWIKNNGGAAAMEKLSIKSQMIYEIID
 NSQGFYVCPVERQNRSMNIPFRIGNAKGDEALEKRFLDKAVELNMI.SLKGHRVSGGIRASLYNAVTTED
 VEKLAAFMKNFLEMHQL

TRTRP**LEQKLISEEDLA**NDILDYKDDDDK**V**

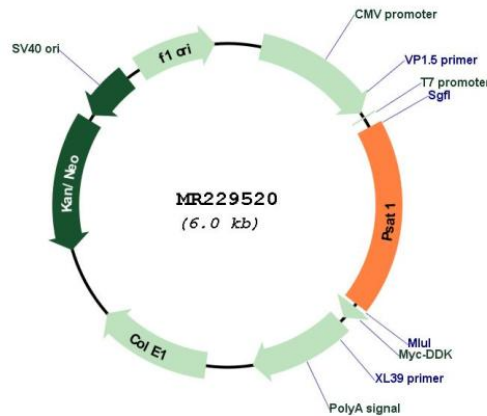
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001205339

ORF Size:	1101 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001205339.1 , NP_001192268.1
RefSeq Size:	2295 bp
RefSeq ORF:	1104 bp
Locus ID:	107272
Cytogenetics:	19 10.86 cM
MW:	40.6 kDa
Gene Summary:	Catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine and of 3-hydroxy-2-oxo-4-phosphonooxybutanoate to phosphohydroxythreonine.[UniProtKB/Swiss-Prot Function]